

Cumulative contents Volume 6

Volume 6, No. 1, March 1994

Papers

W.-f. Lee and C.-k. Chan	
Dynamic finite state VQ of colour images using stochastic learning	1
S.-C. Pei and F.-C. Chen	
Image sampling structure conversion by morphological filters	13
J.-P. Leduc	
Bit-rate control for digital TV and HDTV codecs	25
N. Jung and C. Tralle	
An alternative method of optoelectronic color analysis for slides.	47
D. Tzovaras, M.G. Strintzis and H. Sahinoglou	
Evaluation of multiresolution block matching techniques for motion and disparity estimation	59
P. Fränti	
A fast and efficient compression method for binary images	69
H.B. Mitchell, N. Zilverberg and M. Avraham	
A comparison of different block truncation coding algorithms for image compression	77
S.-C. Pei and F.-C. Chen	
3-D spatiotemporal subband decompositions for hierarchical compatible video coding by mathematical morphology . . .	83

Volume 6, No. 2, May 1994

Papers

G.S.D. Farrow, M.A. Ireton and C.S. Xydeas	
Detecting the skew angle in document images.	101
K.W. Chun and J.B. Ra	
An improved block matching algorithm based on successive refinement of motion vector candidates	115
C. Cafforio, C. Guaragnella, F. Bellifemine, A. Chimienti and R. Picco	
Motion compensation and multiresolution coding	123
J. Ostermann	
Object-based analysis-synthesis coding based on the source model of moving rigid 3D objects.	143
M. Ziegler, W. Tengler and A. Starck	
Coding scheme and hardware structure of a high-rate digital HDTV codec with partly error-free encoding	163
H.-C. Huang and J.-L. Wu	
Real-time software-based moving picture coding (SBMPC) system.	173

Volume 6, No. 3, June 1994*Special issue on Motion Estimation and Compensation Technologies for Standards Conversion**Guest Editors: E. Dubois, G. de Haan and T. Kurita*

Preface	189
Biographies	191
Papers	
L. Vandendorpe, L. Cuvelier, B. Maison, P. Queluz and P. Delogne Motion-compensated conversion from interlaced to progressive formats	193
A.J. Patti, M.I. Sezan and A.M. Tekalp Digital video standards conversion in the presence of accelerated motion	213
G. de Haan and P.W.A.C. Biezen Sub-pixel motion estimation with 3-D recursive search block-matching.	229
T. Koivunen and J. Salonen Motion estimation using combined shape and edge matching	241
T. Bonse Visually adapted temporal subsampling of motion information.	253
Short communications	
T. Yamauchi, N. Ouchi and H. Shimano Motion-compensated TV standards converter using motion vectors computed by an iterative gradient method	267
A.M. Bock Motion-adaptive standards conversion between formats of similar field rates	275

Volume 6, No. 4, August 1994**Papers**

J.P. Fillard, J.M. Lussert, M. Castagné and H. M'timet Fourier phase shift location estimation of unfocused optical point spread functions	281
R.-J. Chen and B.-C. Chieu A fully adaptive DCT based color image sequence coder	289
A. Neri, G. Russo and P. Talone Inter-block filtering and downsampling in DCT domain.	303
J.-H. Moon and J.-K. Kim On the accuracy and convergence of 2-D motion models using minimum MSE motion estimation	319
M.W. Mak and W.G. Allen A lip-tracking system based on morphological processing and block matching techniques.	335
S. Chang, C.-W. Jen and C.L. Lee A motion detection scheme for motion adaptive pro-scan conversion	349
Z. Sivan and D. Malah Change detection and texture analysis for image sequence coding	357
Announcement	377

Volume 6, No. 5, October 1994**Papers**

F. Lavagetto and S. Curinga Object-oriented scene modeling for interpersonal video communication at very low bit-rate	379
I. Mor, Y. Swissa and H.B. Mitchell A fast nearly optimum equi-spaced 3-level block truncation coding algorithm.	397

T. Bedford, F.M. Dekking, M. Breeuwer, M.S. Keane and D. van Schooneveld	
Fractal coding of monochrome images	405
P. Scotton and J. Menez	
A low complexity video subband coder for ATM	421
J.-P. Leduc	
Multiplexing digital television sources on ATM networks	435
S. Baronti, A. Casini, F. Lotti and L. Alparone	
Content-driven differential encoding of an enhanced image pyramid.	463
D.W. Kang, S.W. Kang and C.W. Lee	
Entropy reduction of symbols by source splitting and its application to video coding	471
Short communication	
A. Baskurt, C. Odet and R. Goutte	
Image coding on the Phobos space probe	479

Volume 6, No. 6, February 1995**Papers**

D. Cortez, P. Nunes, M.M. de Sequiera and F. Pereira	
Image segmentation towards new image representation methods.	485
C.W. Kim, S. Cho and C.W. Lee	
Fast competitive learning with classified learning rates for vector quantization	499
A. Amitay and D. Malah	
Global-motion estimation in image sequences of 3-D scenes for coding applications	507
S.J. Huang	
MPEG digital storage media (DSM) control command	521
J.W. Kim, S.H. Lee and S.U. Lee	
On the adaptive three-dimensional transform coding techniques for moving images	525
G. Keesman, I. Shah and R. Klein-Gunnewiek	
Bit-rate control for MPEG encoders	545
K.H. Yang, S.J. Lee and C.W. Lee	
Wavelet transform coding for MCP error images using quadtree decomposition and ECVQ	561
Announcement	579
Author index of Volume 6	581
Cumulative contents of Volume 6	583

